

Lingfield Park Surrey



Wood Energy installs a containerised 100kW Hargassner wood pellet boiler in the services yard of the Lingfield Park Marriott Hotel & Country Club

The modern wood pellet boiler has been used to meet renewable energy planning requirements, but the system will also reduce carbon emissions and save on energy costs.

The Lingfield Park Marriott Hotel & Country Club is nestled within 360 acres of rolling Surrey countryside with magnificent views over the famous racecourse and golf course. The pellet boiler selected is the UK's 1st installation of a containerised Hargassner boiler and demonstrates Lingfield Park's commitment to sustainable development.



The 100kW boiler is set up to provide the base load heat demand to the hotel. The boiler features fully automatic operation, self cleaning heat exchangers and automatic ignition. The system has optimised combustion using a lambda sensor and automatic de-ashing to a box on the front of the machine that can be emptied while the machine is still running.

The fuel store includes a sloping wooden floor designed for wood pellets, which are delivered by tanker.



Name of project	Lingfield Park
Location	Surrey
Boiler type	Hargassner
Maximum rated output	100kW
Maximum Moisture	10%
Wood fuel specification	Wood Pellet
Fuel storage volume	Approximately 12m3
Maximum particle size	D06
Commissioned	April 2010

Hargassner have installed hundreds of similar containerised systems in Europe and it is only now the UK is starting to realise the economic and environmental benefits.

Containerised biomass boilers are ideal when space within the building is limited. The boiler is housed externally to the building and is plumbed into the heating system via a heat main.

Such an approach is ideal for existing buildings with small plant rooms or when biomass is being considered late in the design process.

